GigaFast

WF728-AEX

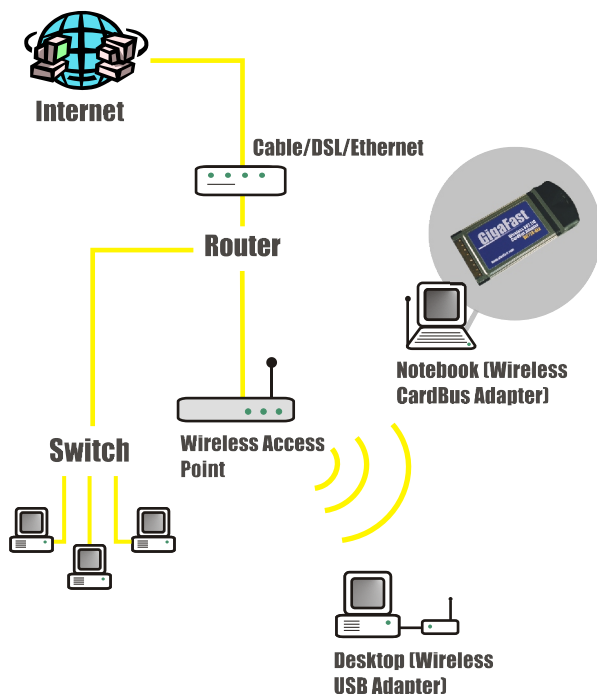## 54Mbps Wireless CardBus Adapter

GigaFast's WF728-AEX is an IEEE802.11b/g compliant 54Mbps Wireless CardBus Adapter. Fully Plug and Play, this 2.4GHz Wireless CardBus Adapter plugs into a Notebook PC offering additional mobility in home or office. It connects with any wireless access point or router that runs on the IEEE802.11g wireless standard and has an operating distance of up to 400 feet outdoors and 100 feet indoors. With 128-bit WEP encryption for security, the WF728-AEX ensures secure data transmission without sacrificing performance.

Functions:

Usage Diagram:

Features:

- **Speeds of up to 54Mbps**
- **Standards Compatible with IEEE802.11g and backwards compatible with IEEE802.11b**

Specifications:

Host Interface
- 32-bit CardBus

Standard
- IEEE802.11, IEEE802.11b, IEEE802.11g

Frequency Band
- 2.400~2.4853GHz (subject to local regulations)

Current Drain
- Power save mode=22mA, Standby mode=7mA
- Transmit mode=460mA, Receive mode=410mA

Spreading
- DSSS (11b), OFDM (11g)

Data Rate
- 1Mbps, 2Mbps, 5.5Mbps, 6Mbps, 9Mbps, 11Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps

Transmit Power
- 801.11b >= 17dBm
- 802.11g
  6/9Mbps >= 17dBm, 12/18Mbps >= 15dBm,
  24Mbps >= 14dBm, 36Mbps >= 14dBm,
  48Mbps >= 12dBm, 54Mbps >= 12dBm

Modulation
- CCK(11b), BPSK, QPSK, 16-QAM, 64-QAM(11g)

Security
- 64/128-bit WEP Encryption 802.1x, WPA (Windows XP Sp1 or above and Windows 2000 Sp4 or above)

Internal Antenna Type
- Dual Antenna Diversity Switching

Media Access Control
- RF activity

Supplied Driver
- CSMA/CA with ACK

Temperature Range
- 0°C ~ 65°C (Operating)

Humidity
- Max 95% non-condensing

Operating Range
- Open Space: up to 400meters; Indoors: up to 100meters. The transmission speed varies in the surrounding environment

Warranty
- 1-year Limited & Free Technical Support (US Only)

Wireless